

ABSTRACT

A process for producing a high-quality glass from highly reactive raw materials and a glass-melting apparatus for use therewith, comprising the step of charging a material for the glass to a molten glass in a heated vessel, (1) wherein an oxidizing gas is bubbled in the molten glass and a glass raw material that behaves as a reducing agent during being melted is charged into a position of the bubbling or (2) said vessel is filled with a dry ambient gas and while the ambient gas is allowed to flow to a liquid surface of the molten glass along an charging route of the glass raw material, the glass raw material is charged.